



PART Nr. / NUMERO DE PARTE: 1LE23212CC216GA3

TYPE / TIPO: SD100

PHASE / FASES: 3

CONNECTION / CONECCIÓN: $\Delta\Delta\Delta$

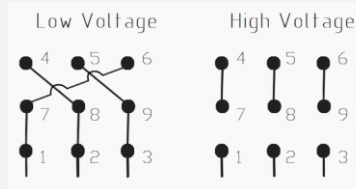
ABB

IE3

TYPE: SD100			PART Nr: 1LE23212CC216GA3		286TC	IP 55	3 PH	TEFC	NEMA B
BEARINGS			SERIAL Nr.					CONTINUOUS DUTY	
D.E.	50BC03JP3		INSUL. CL:	F	kVA CODE:	G	WEIGHT:	485	lbs.
O.D.E.	50BC03JP3		AMB. TEMP:	40°C	T.RISE:	CLASS B	EFFICIENCY		
HP	kW	R.P.M.	V	A	Hz	S.F.	S.F.A.	NOM. %	MIN. %
20.00	14.920	1 180	230/460	54.0/27.0	60	1.15	62.0/31.0	91.7	91.0
15.00	11.190	985	200/400	48.2/24.1	50	1.15	55.4/27.7	90.3	--

CONNECTION

VFD COMPATIBLE
AT 1.0 S.F. 20:1 V.T., 4:1 C.T.



Class I Div. 2 GR A, B, C or D T3
Class I Zone 2 GR IIA, IIB or IIC T3
Class II Div. 2 GR F or G T3C

Made in Mexico by ABB NEMA MOTORS

****Actual nameplate will include certification marks for ex: UR, DOE, CE, CSA, NEMA PREMIUM, etc.**

****La placa de datos del motor incluye logos de certificación, por ejemplo: UR, DOE, CE, CSA, NEMA PREMIUM, etc.**



Part Nr. 1LE23212CC216GA3

Data sheet for three-phase Squirrel-Cage-Motors / Hoja de datos de Motores Trifásicos Jaula de Ardilla

U	Δ / Y	f	P	P	n	I Load [Amps]					Nom. Eff Load [%]			Pwr. Factor Load [%]			Torque	T _A /T _N	T _k /T _N
[V]		[Hz]	[HP]	[kW]	[rpm]	4/4	3/4	1/2	0	LRC	4/4	3/4	1/2	4/4	3/4	1/2	[lb-ft]	LRT [%]	BDT [%]
230/460	ΔΔ-Δ	60.0	20.00	14.92	1 180	54.0/27.0	44.3/22.2	36.1/18	26/13	290/145	91.7	92.0	91.2	76.0	69.0	57.0	89.0	150.0	240.0
200/400	ΔΔ-Δ	50.0	15.00	11.19	985	48.2/24.1	39.9/20	33.1/16.6	26.1/13.1	322/161	90.3	90.4	89.5	72.3	65.4	53.2	108.5	225.0	286.0
Frame 286TC		Type of constr.: C - FLANGE WHITOUT FEET									CONTINUOUS DUTY			INSUL. CL: F			NEMA B	S.F. 1.15	
Mtr. WT: 485 lbs.		Mounting: MOUNTING - F 1 & W-6 FOR VERTICAL MOTORS P-BASE									T.RISE: CLASS B			AMB. TEMP: 40°C			kVA CODE: G	IP 55	
WHITOUT WINDING PROTECTION																			

Mechanical data / Datos Mecánicos

WK2

Rotor Moment of Inertia:	4.52	lb-ft ²
Ext Load Inertia Capability:	262	lb-ft ²

Safe Stall Time

Hot:	20 Sec
Cold:	45 Sec

Typical Noise Data

A-weighted Sound	
Sound Pressure:	61 dB(A)
Sound Power:	72 dB(A)

Octave Band Center Frequencies Hertz: This values are for the standard bearing configuration.

	250	500	1000	2000	4000	8000	Hz
SPL@3 feet	49	55	52	54	56	50	dB(A)

Bearings / Baleros	DE	NDE
Bearing (AFBMA):	50BC03JP3	50BC03JP3
Bearing size STD:	6310 Z C3 S0	6310 Z C3 S0

Ventilation Type / Tipo de Ventilación

Type of Cooling:	TEFC	Fan Material:	Polypropylen ESD
Fan Rotation:	Bidirectional		

Grease / Grasa

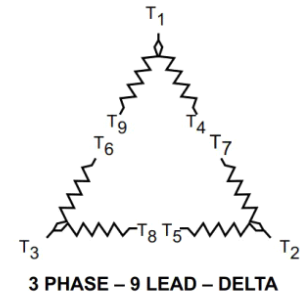
Type:	Mobil Polyrex
Thickener:	Polyurea (Standard)

Frame / Armazón

Frame material:	Cast iron
Coating (paint finish):	Standard Alkyed + Epoxy (C2)
Color, paint shade:	Dark Charcoal Gray Metallic

Terminal box / Caja de Terminales

Terminal box position:	Conduit Box (Entry from feet)
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VOLTS	LINES			CONNECTED TOGETHER	CONN.
	L1	L2	L3		
LOW	T ₁ T ₆ T ₇	T ₂ T ₄ T ₈	T ₃ T ₅ T ₉		$\Delta\Delta$
HIGH	T ₁	T ₂	T ₃	T ₄ T ₇ - T ₅ T ₈ - T ₆ T ₉	Δ

Wiring diagram

Additional information.

VFD Operation (V.T.) :	20:1
VFD Operation (C.T.) :	4:1
Area Classification:	Class I Div. 2 GR A, B, C or D T3
Hazardouz Classification:	Class I Zone 2 GR IIA, IIB or IIC T3
Hazardouz Classification:	Class II Div. 2 GR F or G T3C
Temp. Code:	T3